FOIL and Factor pop quiz (version 15)

FOIL the expressions shown below:

1. $(x+6)(x-5)$

$$x^2 + x - 30$$

2. $(x-4)(x+8)$

$$x^2 + 4x - 32$$

3. $(x+3)(x+2)$

$$x^2 + 5x + 6$$

4. $(x-9)(x+3)$

$$x^2 - 6x - 27$$

5. $(x+1)(x-8)$

$$x^2 - 7x - 8$$

Factor the expressions shown below:

6. $x^2 - 15x + 56$

$(x - 7)(x - 8)$

7. $x^2 - 4$

$(x + 2)(x - 2)$

8. $x^2 - 5x - 24$

$(x - 8)(x + 3)$

9. $x^2 - 1$

$(x - 1)(x + 1)$

10. $x^2 - 12x + 27$

$(x - 3)(x - 9)$